CB RADIO
AE 4200 R

OPERATING MANUAL



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Important Note

Your Albrecht AE 4200 R corresponds to the latest European CB standards. As a unique feature, it has a software country switching which allows selecting the operation mode according to the country, where You intend to use the radio. Please make sure that You use only the country switching which is allowed in Your country and according to Your CB licence! **You may risk a penalty if authority members will find that You are operating in not allowed modes!**

During first use of this radio, Your radio will start in this factory preselected 40 FM / 40 AM mode:

40/40 40 channels FM / 4 Watt, 40 channels AM / 1 Watt. Latest European Standard EN 300 433-2, but not yet applied in all countries. In Belgium, Italy, Spain and Switzerland /Liechtenstein You need a licence to operate the radio, while it is already free of charges and licence in Bulgaria, Germany, Estonia, Finland , France , Latvia, the Netherlands, Poland, Portugal and Slovak Republic. ***For Spain and Poland, we have special versions which allows 4 Watts AM,*** but this versions are only allowed to be used in Spain (You also need a licence from the local telecommunications authority for using the Spanish version) or Poland. ***For Austria we supply a CEPT version without country switch (on request).***

80/40 80 channels FM / 4 Watt, 40 channels AM / 1 Watt for Germany, also for Czech Republic (only FM allowed to use). You need no more any licence to operate the radio in this mode, but in certain German border regions transmitting from base stations on channels 41 to 80 in FM is not allowed (or only with a special license).

40 FM 40 channels FM / 4 Watt (former “CEPT” settings with 40 Channels FM according to EN 300 135-2). This mode can be used in all European countries (some countries still request an individual licence, even for 40 FM mode! See our latest issue of the “Radio Passport”).

Please note that radios with country switches are generally not allowed to be used in Austria. The new EU member states have now implemented the European regulations. Please refer to official information of the local authorities before using the radio in other countries outside EU.

Introduction

Your new Albrecht CB Radio AE 4200 R, developed and manufactured in accordance with the latest CB regulations, offers you:

- 40 channels FM / 4 watt or
- 80 channels FM / 4 watt / 40 channels AM / 1 Watt or
- 40 channels FM / 4 Watts / 40 channels AM / 1 Watt (4 Watts Spain version)
- Channel selection UP/ Down buttons on the radio
- Red LED channel number display
- Control LED's for switch position (FM) and TX
- 4-pin standard microphone socket, suitable also for amplifier microphones or Packet Radio modems/TNC's
- Socket for external loudspeaker

Please read this operating manual through carefully. This will enable you to make use of all the functions your new CB Radio has to offer as soon as possible.

Accessories included

Your AE 4200 R comes operational with the following accessories:

- mobile mount
- 2 knurled screws for the mobile mount
- 2 rubber washers for the mobile mount
- fixed connected DC power cable with looped-in fuse
- spare fuse
- Electret hand-held microphone with pre-amplifier and PTT
- Microphone hanger
- various screws to fasten the radio and microphone fixing devices
- User manual with Radio Passport

Safety Precautions

People with pacemakers are recommended as a precaution to consult their doctor before operating the CB radio. Not all types of pacemakers are sufficiently protected from radiation from a nearby transmitter, so do not assume it is safe to start operation without checking! Please remember that you are in the immediate vicinity of a transmitting aerial, particularly when used as a mobile. If your doctor, or the manufacturer of the pacemaker, has recommended keeping a certain safe distance from the aerial, then please follow their instructions!
Do not transmit without connecting the aerial and never touch the aerial during transmission!
Please also take road safety into account! CB Radio (even when only receiving, particularly when volume is turned up) can divert your attention from the road! Road safety is of course to be given priority! Therefore only use your ALBRECHT AE 4200 R when the traffic situation enables it to be used safely.

Front view

Receive Volume

AM - FM Switch

TX-FM control LED's

LED-Channel Display



On / Off

Squelch

Double Function Channel / Country switch

6 pin MIC socket

Rear view

Brand Plate with country switching decription

Antenna socket 50 Ohms PL-259 Standard

External speaker 8 Oms, min. 2 W



DC power cable 13.2 V

Installation of the radio

You can either operate your ALBRECHT AE 4200 R in the car or at home as a base station. For installation as a mobile station in the car, a mobile mount device is enclosed. Mount the set in such a way that it is not exposed to direct sunlight if possible, as this would lead to an increase in the temperature and can decrease the (set's) working life. The set should also not be installed near a heater. Mount the set in such a way that it is exposed to as little vibration as possible.
The mobile fixing device should be attached to the dashboard, the tunnel slot or to any other suitable place using the enclosed tapping screws. Do not install the set in a place where it could cause injuries in the case of an accident (be careful to ensure free leg movement). Take care not to damage any underlying wires during installation!
Then insert the radio into the mobile mount device. Secure the set with the large knurled screws (using the enclosed plastic washers) firmly at the required angle.
Also mount the microphone hanger using the enclosed screws in an easily-accessible place.
In order to prevent interference to the vehicle electronics from transmission in the vehicle, please make sure to take any mounting instructions from the vehicle manufacturer for radios and antennas into account.
Please note: European directives allow the car manufacturers to decide, whether or not private radio transceivers may be operated in cars, this is also valid for antenna installations. Please install Your mobile CB station only in accordance to car manufacturer's installation instructions.

Power supply

Your AE 4200 R receives power from the 2 pin fixed power cable.

The red and black wires in the cable are for the power supply. The cable has a looped-in fuse.

You can choose from two methods when connecting to the power supply (red and black):

Example 1
The radio should be able to be switched on and off at any time using the volume / on/off switch.

Connect up the red to the positive pole on the vehicle battery (or elsewhere in the vehicle's electrical system with permanent plus) or to a 12 volt power unit.

Connect up the black wire to the negative pole on the vehicle battery or the power unit or to a well-conductive part of the car body.

Example 2
The set should be automatically switched on and off with the ignition switch of the car. The radio shall always start in last used mode on the last used channel.

Attach the red wire to a part of the vehicle electrical system which is interconnected to the ignition.

Connect the black wire to the negative pole on the battery or the vehicle body.

Note for all connecting methods:

For EMC reasons, the cable used to connect to the power supply should be no longer than 3 metres.
If you wish to operate your set at home from the mains supply then please only use a stabilised power pack with at least 2 amps permanent current-carrying capacity. Under no circumstances should you use a car battery charger, as these are not stabilised and during open circuit reach such high voltage levels that your radio set could be destroyed.

If in base station use it is important to you that the stored stations are kept even after switching off and on again, then please do not switch the external power supply power unit off when you switch your set off for a short time. Only use the on/off switch on the transceiver itself.

Never repair a blown fuse with silver paper or with aluminium foil! If the fuses keep blowing, then please give your radio set to your servicing dealer to be repaired or hand it in to Albrecht's service station.

The maximum allowed voltage variation for this radio is up to 15.6 volts. Never exceed this voltage under no circumstances! The transmitting stages for your AE 4200 R are electronically stabilised, and therefore it is impossible to increase output by means of excessive supply voltage. Such attempts may lead to serious damage to the radio set but will never increase output power!

Antenna connection

Connect your CB antenna to the ANT socket on the rear side of your ALBRECHT AE 4200 R. Most CB antennas must be tuned to best radiation during installation to give highest effective communication range. CB specialists do that job with a standing wave meter to check and adjust the aerial. Tune the antenna to the best standing wave ratio (SWR) on an intermediate channel e.g. using Channel 1 in 80/12 mode (26.965 MHz) or Channel 20 in all other modes.

On this channel you should obtain a SWR of approx. 1.5 or less. If the SWR deteriorates on the highest (Channel 40) and lowest (Channel 41) channels up to a value of 2.5, then your aerial is still acceptable. SWR above 3 is too bad for good

communication range. A bad SWR may also indicate that there is perhaps an installation error or missing ground. Problems may be caused through missing ground, especially in boats and motor homes with fiber glass body. For these cases, Albrecht offers a special connecting cable with matching box as “artificial ground” (AKM 27), or ground less antennas like GL 27.

Some antennas, like “Gamma II” (order No. 6725) are broadbanded and do not need any retuning during installations.

Even if your AE 4200 R has a particularly robust transmitter high-level stage which can even withstand mismatching of SWR=3, you should still never transmit without an antenna!

Operation

Before switching on

- Turn SQUELCH control left as far as possible

Switching on and adjusting volume

The on/off switch is combined in the VOLUME control. To switch on:

- Turn VOLUME control from OFF position slightly right. LED display will be illuminated. Then turn further until desired volume is reached.

Selecting the correct country code

Starting with 40 / 40 channel system

When You switch on Your new CB radio for the first time, it will start with the latest European channel setting with 40 channels FM and 40 channels in AM.

Note: this system is allowed in **B, BG, CH, D, E, EST, F, Fin, FL, I, LV, NL , P, PL and SK**

40/40 This position can be used in those countries, where already all 40 international channels are allowed to be used in AM and FM. AM was traditionally used by CB from the beginning in the early 60’s in USA, and it is still the preferred mode of all truck drivers in the world. Please use this mode only in countries according to the list in the Radio Passport, and please apply for an individual licence where requested.

If necessary You can return to this system any time later by:

- Switch the radio **off**
- Press **Down** button and keep button pressed
- Switch **on** the radio at the same time
- **Release** the button

Switching to 80/40 channel system (Germany and Czech Republic only)

80/40 This position is only allowed to be used in Germany and Czech Republic, because no other European country provides the German 80 FM channels. (Note: In Czech Republic please use only FM)
No individual licence is necessary, but restrictions are still in force in certain German border regions, where transmitting on channels 41 – 80 is not allowed or only with a special licence.

- Switch the radio **off**
- Press **Up** button and keep button pressed
- Switch **on** the radio at the same time
- **Release** the button

Switching to 40 Channels FM (the former CEPT system)
Europe-wide used 40 Channels FM mode. If You are not sure what is allowed in Your country please ask local authorities before using the radio. If You should not need any individual CB licence in Your home or guest country, You should use this country switching as Your setting:

40 FM This is former "CEPT" mode, the programming which is allowed in most countries (except Austria, Spain and Luxembourg). Here the radio works on the international 40 Channels in FM mode. The Mode switch AM – FM on the front side allows only receiving in AM and FM, but only transmitting in FM mode (in some countries You need a licence, even for 40 CH FM only!)

To switch to this system

- Switch **off** the radio
- Press **Up** and **Down** simultaneously and keep pressed
- Switch **on** the radio again
- Release buttons

Please read carefully the "Radio Passport" or the "Circulation Card" in the last chapter of this manual before reprogramming the unit. Take your home country's licence or the Circulation Card with You when travelling abroad and using 40/40 or 80/40 mode.

Note: This radio utilises a CPU system especially developed for this radio. Other (illegal) channel systems are not stored in the CPU system and are not available at all.

Selecting the operating channel

- with Up or Down buttons on the radio You can continuously select channels. The present channel is displayed.

- Press the respective button longer to run up or down through the channels. The present channel is displayed.

Adjusting squelch (muting)
Particularly in FM, noise can be a nuisance on a free channel. With the muting control (SQUELCH) You can suppress this noise - but also signals which are too weak to be received properly.

This is how to adjust the signal strength required to switch on the loudspeaker, using the SQUELCH control knob:

The further the control knob is turned to the right, the stronger a signal has to be in order to be audible through the loudspeaker.

In order to adjust the set to be the most sensitive to incoming signals, switch to a free channel:

- Use the ***up*** / *down* switches to find a free channel, where no signal is displayed.
- Then turn the ***SQUELCH*** control carefully to the right until the noise just about disappears.

Now the loudspeaker stays off when on a free channel but it switches back on when receiving even very weak signals.

The muting adjustment is particularly important during channel scanning. In this mode the point to which the set is adjusted decides whether scanning is stopped at the signal or not. Therefore you should test the various muting settings for various signal strengths and get to know this function.

AM / FM mode switch

In the German channel system 80/40 You can now receive on all 80 channels in FM and AM, but You can transmit on all these channels only in FM.
In AM the only channels 1-40 are enabled for transmitting. If You should try to transmit in AM on other channels, the LED will blink to warn You.
Transmission on such channels is technically deactivated. A green control LED is on during FM mode.

Special interest channels
There are a few channels which have been established for certain purposes:

Channel 1	Call channel in FM (Germany only)
Channel 9	**Call and emergency channel**, in Germany particularly this channel is also used by all truck drivers in AM. This means: a large number of stations are listening in. If the worst comes to the worst (e.g. in case of accident etc.) there is a good chance that someone will be listening.

To call other stations, who you know are listening in on channel 9, you can also use this channel. Call up the desired station on channel 9. As soon as contact has been made, agree on a free channel for your conversation and then channel 9 will be free again for other calls.

An emergency channel can of course only work if as many stations as possible are listening in. Therefore listen in to this channel as often as possible!

Channel 16	Water sport channel
Channel 19	**Trucker channel** on AM in France, Spain and Italy
Channel 24/25	Data transfer (Packet Radio, Germany only)
Channel 40	**Calling channel in Switzerland**

Some recommendations have been worked out by the CB clubs for the new channels 41 to 80 in Germany. To find out which channels are suitable for special purposes, please get in touch with the respective groups or check in CB magazines.

Transmitting and correct use of microphone
With the transmission button (Push To Talk) on the side of the microphone you can switch between receiving and transmitting:

- Press PTT button to transmit.
  Your radio is equipped with a TX control LED, this will light when You are transmitting on an allowed channel in an allowed mode.
- Release PTT button again to switch back to receiving.

When the transmission PTT button is depressed, you can speak from a distance of about 5-10 cm into the microphone. After pressing the PTT button, please wait about ½ second before You start speaking. Please remember- that different from GSM phones- You share one channel common for transmit and receive, and Your transmitter and the receiver(s) on the distant side need a certain time to switch on. The modulation amplifier of your AE 4200 R is sensitive enough and enables you in most cases to speak with even more distance, depending on how loud your voice is. An automatic regulator ensures that your partner always hears your signal at the same volume.

It is best to test the best distance from the microphone for yourself with the help of another station.

External sockets

External loudspeaker
Depending on the surrounding noise, it can be advisable to hook up an external loudspeaker. Usual commercial radio loudspeakers with 4-8 ohms impedance and 2-4 W minimum output can be plugged in.
The cable can be up to 3 metres long. For car loudspeakers, make sure to use a two-pin 3.5 mm jack plug and ensure that none of the loudspeaker connections are attached to the vehicle chassis.

Microphone socket
Your AE 4200 R has an 4 pin standard microphone socket on the front side.
The wiring corresponds to international standards used by many manufacturers since many years.

Apart from the hand microphone included in the package, you can also hook up other microphones, with or without preamplifier, or with or without data transmitting devices. According to the latest regulations you are also allowed to plug in modems or so-called TNC`s for data transfer (Packet Radio). However, other type of microphones must be specially soldered to the 4 pin connector.

Please note that data transfer is only permitted on certain channels and only for non-commercial use and not in all countries.

Service and Warranty information

Troubleshooting

Check at first the power supply and the fuse. A problem may be caused through power supply, when no LED light appears after switching on. If the unit works in a strange way, disconnect the power supply cable (or take out the fuse from the holder), while the radio remains switched on, wait some time (minimum 10 seconds), and then reconnect power cord again.
Check the microphone and antenna connector. We think You cannot do more in case of a problem. Please ask Your dealer or consult our service hints in the Internet. If You should return the radio to Your dealer for repair, do not forget to describe the problem as exactly as possible.

European 2 years warranty

The distributor, dealer or retail shop where You bought the radio warrants to the original retail purchaser of this product that should this product or any part of it, under normal use and conditions, be proven defective in material or workmanship within 2 years from the date of original purchase, such defect(s) will be repaired or replaced with new or reconditioned product without charge for parts and repair labor. To obtain repair or replacement within the terms of this warranty, the product is to be delivered with proof of warranty coverage (e.g. a copy of Your bill of sale), specification of defect(s), to the distributor, dealer or his authorised repair centre.
Liability for communications range of this product is disclaimed. The warranty does not apply to any product or part there of which, has suffered or been damaged through alteration, improper installation, mishandling, misuse, neglect, accident, or by removal or defacement of the factory serial number label(s). The warranty does not apply to accessory parts or problems caused through not authorised or not recommended accessories like other than the supplied microphone, external antennas, external power supplies and over voltage caused through external power supplies, lightning or over voltage defects via antenna or other cables, broken or damaged acrylic glass windows and cabinet parts.
Please contact the dealer or person where You have purchased Your CB radio.

Where to find service hints and service documentation

The complete technical documentation is updated regularly. You can download the latest versions of user manuals, technical documents and conformity declaration, as well as service hints or FAQ’s any time from our server under

http://www.hobbyradio.de

If You should have a problem, please have a look to the service hints or frequently asked questions (FAQ) before You send Your CB radio back to the service centre. Please note that the acceptance of AM+FM in the different European countries has just started and may be subject to unpredictable changes. Our homepage will provide the latest information about using the radio.

Technical Details

Microphone socket wiring		**For Packet Radio & others**	
Pin 1	Mic audio	Pin 1	Transmit audio
Pin 2	Ground	Pin 2	Ground
Pin 3	PTT-RX (on ground for receiving)	Pin 3	Receive audio
Pin 4	PTT-TX (on ground for transmit)	Pin 4	PTT key

Transmitter

Transmitting power	4 Watt FM 1 Watt AM
Modulation sensitivity	appr. 8 mV at >1 kOhm
Harmonic and spurious radiations	-90 dBc = 4 nW
Max. frequency deviation	less than 2.0 kHz
AM modulation degree	up to 90%

Receiver

Sensitivity (FM) (SINAD)	better + 3dbμV EMK for 20 dB
Sensitivity (AM) (SINAD)	better + 3dbμV EMK for 12 dB
Adjacent channel selection	better 60 dB (EN 300 135-1) better 48 dB (EN 300 433-1)
Intermodulation rejection	better 54 dB (EN 300 135-1) better 48 dB (EN 300 433-1)
Image rejection	better 48 dB (EN 300 433-1)
Audio output power	ca. 2 Watt to 8 Ohm load

www.albrecht-online.de
Spare Parts and Repair inquiries (+49) 6103-9481-30
Service-Fax: (+49) 6103-9481-60
e-mail: service@alan-electronics.de

Albrecht Radio Passport AE 4200 R

*The radio may be used in European Countries only according to following information, which we publish as "Radio Passport". Because the number of countries allowing the AM standard is changing, the latest version of this radio passport is published on our Internet Web server and may be downloaded any time. (**http://www.hobbyradio.de**) The version printed in this user manual has been issued in May 2008.*

Country	Country switch	Licence and operating conditions
Operation only with individual licence		
Austria	40 FM	Austria's legislation does not accept radios with country switches, please do not use in Austria or ask Your dealer for a limited 40 CH FM version
Belgium	40/40 and 40 FM	Residents in Belgium need licence
Italy	40/40 and 40 FM	Licence and regular charges for all CB radios, Truck drivers may use their radios in FM 40 mode during travelling in Italy.
Switzerland and Liechtenstein	40/40 and 40 FM	Licence and monthly charges for Residents
Spain	40/40 and 40 FM	Licence and regular charges for Residents
Operation without licence and charges allowed		
Belgium	40FM 40/40	Free for short-time travellers up to 1 month Home country licence /Circulation Card accepted for travellers
Czech Republic	80/80 mode	Free of licence and charges for all users, but AM channels are not allowed to be used
Denmark / Lithuania	40 FM	Free of licence and charges for all users
Finland	40/40 and 40 FM	Free of licence and charges for all users (travellers with Circulation Card)
France	40/40 and 40 FM	Free of licence and charges for all users
Germany	80/80, 40/40, 40 FM	Free of licence and charges for all users except in some border regions for base stations using channels 41-80 FM
Great Britain (UK)	40 FM UK and 40 FM Europe	Free of licence and charges for all users
Greece	40 FM	Free of licence and charges for all users
Hungary, Cyprus	40 FM	Free of licence and charges for all users
Iceland	40 FM	Free of licence and charges for all users
Ireland	40 FM and 40 AM	Free of licence and charges for all users
Luxembourg, Malta	40 FM	Free of licence and charges for all users
Netherlands	40/40 and 40 FM	Free of licence and charges for all users
Norway	40 FM	Free of licence and charges for all users
Bulgaria, Estonia, Latvia, Poland, Slovak Republic and Portugal	40 /40 and 40 FM	Free of licence and charges for all users
Spain	40 FM and 40/40	Free of licence and charges for travellers with Circulation Card
Cyprus, Romania, Slovenia, Sweden	40 FM	Free of licence and charges for all users
Switzerland and Liechtenstein	40 FM and 40/40	Free of licence and charges for travellers with Circulation Card
United Kingdom UK	40 FM	Free of licence and charges for travellers

Important Note: Please respect the licence conditions in the above listed countries and do not use the radio without licence, where necessary. For travelling with Your radio, we recommend to provide a copy of Your home country licence document and this Radio Passport together with the radio. The above list is based on public available information, while country specific requirements may change without notice during the harmonisation process in Europe, we recommend to ask local authorities before travelling.

ALBRECHT

Declaration of Conformity / Konformitätserklärung

CE ⓘ

We hereby declare that our product: / Wir erklären hiermit, dass unser Produkt

CB-Radio Albrecht AE 4200 R

satisfies all technical regulations applicable to the product within the scope of EU Council Directives, European Standards and national frequency applications:/ alle technischen Anforderungen im Geltungsbereich der EU Richtlinien, europäischer Normen und nationaler Frequenzanwendungen einhält:

73/23/EEC, 89/336/EEC / 2004/108/EG and 99/5/EC
EN 300 135 - 2 V 1.1.1/ EN 300 433- 2 V1.1.2
EN 301 489- 01 V.1.6.1, EN 301 489-13 V1.2.1, EN 60 950-1: 2006
All essential radio test suites have been carried out. /
Alle für das Produkt vorgeschriebenen Funktestreihen wurden durchgeführt.

This declaration is issued under our sole responsibility. Basing on not harmonized frequency applications, the CB radio may be used only in listed countries according to selected channel programming. An **individual license** for operating this radios in AM+FM on 40/40 channels in **B, CH, FL, E,** and **I** and **RSM** is requested by residents of these countries.
In **D** (where 80/12, 80/40, 40/12 or 40 / 40 FM/AM channels are allowed, **BG**, **CZ** (80 FM), **EST**, **F, FIN, IRL, LV, NL, P, PL, SK** the CB operation on 40 / 40 channels in AM + FM is **free of license** and free of charges. If the radio is programmed to **40 FM** only, it may be used **without license** and free of charge in **BG**, **CY, CZ, D, DK, EST, F, FIN, GB, GR, H, IRL, IS, L, LT, LV, M, N, NL, P, PL, RO, S, SK, SLO** except Austria, where radios with country switches are generally not allowed. Residents of Belgium, Italy, Spain, Switzerland /Liechtenstein need a CB license in their home country, while travellers from other European countries may use 40 CH FM during travelling in these countries free of licence and charges. In Belgium use of 40 channels AM is allowed for travellers under the conditions of their home country.

Diese Erklärung wird unter unserer alleinigen Verantwortung abgegeben. Die oben genannten Funkgeräte dürfen wegen der nicht harmonisierten Frequenzanwendungen in AM+FM in den Ländern **B, CH, FL, E**, und **I** und **RSM** von Bewohnern nur mit gültiger CB-**Funkgenehmigung** benutzt werden. In **D** (max. 80 FM / 40 AM Kanäle), **BG**, **CZ** (80 FM), **EST**, **F, FIN, IRL, LV, NL, P, PL, SK** (40 / 40 Kanäle) ist der CB-Funk **anmelde- und gebührenfrei**. Dabei ist in Deutschland mit der Programmierung 80 FM der **ortsfeste** Sendebetrieb auf den Kanälen 41-80 in bestimmten Regionen entlang der Grenzen (außer zu CZ) nicht oder nur mit Sondergenehmigung gestattet.

Mit der Programmierung **40 FM** können die Geräte in **BG**, **CY, CZ, D, DK, EST, F, FIN, GB, GR, H, IRL, IS, L, LT, LV, M, N, NL, P, PL, RO, S, SK, SLO** (außer Österreich, dort sind Funkgeräte mit Länderumschaltung generell nicht erlaubt, anmelde- und gebührenfrei benutzt werden. Bewohner von Belgien, Großbritannien, Italien, Spanien und der Schweiz /Liechtenstein benötigen in Ihrem Heimatland eine Genehmigung (CB Lizenz). Die vorübergehende Benutzung von 40 Kanälen FM durch Reisende aus anderen europäischen Ländern ist in diesen Ländern jedoch auch anmelde- und gebührenfrei erlaubt. 40 AM ist in Belgien für Reisende erlaubt, wenn die Heimatbestimmungen dies gestatten (z.B. für Reisende aus Deutschland)

ALAN Electronics GmbH declara, bajo su responsabilidad, que este aparato cumple con lo dispuesto en la Directiva 99/05/CE, del Parlamento Europeo y del Consejo de 9 de marzo de 1999, transpuesta a la legislación española mediante el Real Decreto 1890/2000, de 20 de noviembre"

Point of contact/Ansprechpartner: Dipl.-Phys. Wolfgang Schnorrenberg

Place and date of issue:

Lütjensee, 2. 05. 2008

W. Schnorrenberg

This Declaration of Conformity will be regularily revised and, when necessary, published on our Internet Server **www.hobbyradio.de** .